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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/626,208	· 07/24/2003	John Favazza	063170.6567(20000432) 9671	
5073	7590 05/31/2007		EXAMINER	
BAKER BOTTS L.L.P. 2001 ROSS AVENUE			GELAGAY, SHEWAYE	
SUITE 600 DALLAS, TX 75201-2980		ART UNIT	PAPER NUMBER	
2.122.13, 112			2137	
		·	<u> </u>	
			NOTIFICATION DATE	DELIVERY MODE
			05/31/2007	ELECTRONIC

# Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

mike.furr@bakerbotts.com ptomail1@bakerbotts.com

<del> </del>		Application No.	Applicant(s)			
Office Action Summary		10/626,208	FAVAZZA ET AL.			
		Examiner	Art Unit			
		Shewaye Gelagay	2137			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status			•			
1)⊠ R€	esponsive to communication(s) filed on <u>06 Ma</u>	arch 2007.				
2a)⊠ Th	This action is <b>FINAL</b> . 2b) ☐ This action is non-final.					
3)∏ Si	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition	of Claims					
4)⊠ CI	4)⊠ Claim(s) <u>1,3,5-8 and 24-32</u> is/are pending in the application.					
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1, 3, 5-8 and 24-32</u> is/are rejected.						
•	aim(s) is/are objected to.					
8) Claim(s) are subject to restriction and/or election requirement.						
Application Papers						
9) <u></u> Th	e specification is objected to by the Examiner	г.				
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a) ☐ All b) ☐ Some * c) ☐ None of:  1. ☐ Certified copies of the priority documents have been received.						
Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s)						
1) Notice o	f References Cited (PTO-892)	4) Interview Summary				
	of Draftsperson's Patent Drawing Review (PTO-948) tion Disclosure Statement(s) (PTO/SB/08)	Paper No(s)/Mail Da 5) Notice of Informal P				
	lo(s)/Mail Date	6) Other:	••			

#### **DETAILED ACTION**

1. This office action is in response to Applicant's amendment filed on March 6, 2007. Claims 1, 3, 5 and 7-8 have been amended. Claims 2, 4 and 9-17 are canceled. Claims 18-23 are withdrawn. New claims 24-32 have been added. Claims 1, 3, 5-8 and 24-32 are pending.

## Response to Arguments

2. Applicant's arguments filed on March 6, 2007 have been considered but are moot in view of the new ground(s) of rejection.

#### Claim Rejections - 35 USC § 101

- 3. 35 U.S.C. 101 reads as follows:
  - Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.
- 4. Claim 32 is rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. Claim 32 is a system claim without any structural component and consists solely of language that is implemented with only software. Claim 32 does not provide any functional interrelationship to any software and hardware structural components to provide certain function that is processed by a computer.

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### Claim Rejections - 35 USC § 112

5. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

6. Claim 32 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. A system needs some structural component and cannot consist solely of language that could be implemented as operating instructions.

## Claim Rejections - 35 USC § 103

- 7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
  - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 8. Claims 1, 3, 5-8 and 24-32 are rejected under 35 U.S.C. 103(a) as being unpatentable over Mishra et al. ("Security Services Markup Language") in view of Hallam-Baker ("Security Assertions Markup Language").

As per claims 1, 7, 26 and 32:

Mishra teaches a method comprising intercepting at an agent a web service customer access to a first web service, the agent residing between the web service customer and the first web service and between the web service customer and a second web service; [Section 3.1: User-Driven Transactions (Single Sign-On); Section 4.1: Name assertions and Entitlements; Section 4.3: Authentication (auth) and

authorization (Az) Services] collecting at the agent one or more credentials of the web service customer; [Section 3.1: User-Driven Transactions (Single Sign-On); Section 4.1: Name assertions and Entitlements; Section 4.3: Authentication (auth) and authorization (Az) Services] determining at the agent whether the web service customer is authenticated and authorized; [Section 3.1: User-Driven Transactions (Single Sign-On); Section 4.1: Name assertions and Entitlements; Section 4.3: Authentication (auth) and authorization (Az) Services] if the web service customer is authenticated and authorized, at the agent: granting the first request; initiating creation of a session and a session ticket; obtaining a session ticket ID for the session ticket; [Section 3.1: User-Driven Transactions (Single Sign-On); Section 4.1: Name assertions and Entitlements; Section 4.3: Authentication (auth) and authorization (Az) Services] intercepting a second request to grant the web service customer access to the second web service, the second request comprising the assertion and a private key; [Section 3.1: User-Driven Transactions (Single Sign-On); Section 4.1: Name assertions and Entitlements; Section 4.3: Authentication (auth) and authorization (Az) Services] and if the private key matches the public key in the assertion, grant the second request without reauthenticating or reauthorizing the web service customer. [Section 3.1: User-Driven Transactions (Single Sign-On); Section 4; Section 4.1: Name assertions and Entitlements: Section 4.3: Authentication (auth) and authorization (Az) Services; Section 4.4. Assertion Validity Mishra does not explicitly disclose encrypting the session ticket ID and a public key into an assertion. Hallam-Baker in analogues art, however, discloses encrypting the session ticket ID and a public key into an assertion. [Section

2.3: Relying Server; Section 3.2: Ticket; Section 5.4: Session Management/Distributed Log out]. It would have been obvious to one ordinary skill in the art at the time invention was made to modify the method disclosed by Mishra with Hallam-Baker in order to provide a compact data structure that identifies a particular assertion in the minimal space available in a URL fragment or HTTP cookie. (page 6, Section 3.2: Ticket; Hallam-Baker)

As per claims 3, 8 and 27:

The combination of Mishra and Hallam-Baker teaches all the subject matter as discussed above. In addition, Hallam-Baker further discloses a method wherein the assertion comprises a Security Assertions Markup Language (SAML) assertion. (page 4, 2. Abstract Data Flow)

As per claims 5 and 28:

The combination of Mishra and Hallam-Baker teaches all the subject matter as discussed above. In addition, Mishra further discloses a method wherein the agent comprises an Extensible Markup Language (XML) agent. (Section 2.3: Services)

As per claims 6 and 29:

The combination of Mishra and Hallam-Baker teaches all the subject matter as discussed above. In addition, Mishra further discloses a method wherein the procssors are further operable to determine whether the web service customer is authenticated and authorized comprises comparing the web service customer with a database containing authentication and authorization data. (Section 4.3: Authentication (auth) and authorization (Az) Services)

As per claims 24 and 30:

The combination of Mishra and Hallam-Baker teaches all the subject matter as discussed above. In addition, Mishra further discloses a method wherein the first request and the second request both originate at the web service customer; and the method further comprising communicating the assertion to the web service customer to enable the web service customer to access the second web service without reauthentication or reauthorization after the web service customer accesses the first web service. [Section 3.1: User-Driven Transactions (Single Sign-On); Section 3.2: Service-Driven Transactions; Section 4.1: Name assertions and Entitlements; Section 4.3: Authentication (auth) and authorization (Az) Services]

As per claims 25 and 31:

The combination of Mishra and Hallam-Baker teaches all the subject matter as discussed above. In addition, Mishra further discloses a method wherein the first request originates at the web service customer and the second request originates at the first web service; and the method further comprising communicating the assertion to the first web service to enable the web service customer to access the second web service without reauthentication or reauthorization after the web service customer accesses the first web service. [Section 3.1: User-Driven Transactions (Single Sign-On); Section 3.2: Service-Driven Transactions; Section 4.1: Name assertions and Entitlements; Section 4.3: Authentication (auth) and authorization (Az) Services]

#### Conclusion

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9. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shewaye Gelagay whose telephone number is 571-272-4219. The examiner can normally be reached on 8:00 am to 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Emmanuel Moise can be reached on 571-272-3865. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Shewaye Gelagay 56

EMMANUEL L. MOISE
SUPERVISORY PATENT EXAMINER